

FORM PTO-1449
(Rev. 2-32)

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

02-763-B
(400/129)

Serial No.

10/667,271



**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Applicant:

McSwiggen et al.

Filing Date:

September 16, 2003

Group:

1632

U.S. PATENT APPLICATION DOCUMENTS

Examiner Initial		Document Number	Filing Date	Name	Class	Subclass	Publication Date if Appropriate
AB	*	09/301,511	04/28/99	Beigleman et al.			
	*	09/740,332	12/18/00	Blatt et al.			
	*	09/800,594	03/06/01	Usman and McSwiggen			
	*	10/151,116	05/17/02	Matulic-Adamic et al.			
	*	10/201,394	08/13/01	Vargeese et al.			
	*	10/417,012	04/16/03	McSwiggen et al.			
	*	10/422,704	04/24/03	McSwiggen et al.			
	*	10/427,160	04/30/03	Vargeese et al.			
	*	10/444,853	05/23/03	McSwiggen et al.			
	*	10/652,791	08/29/03	McSwiggen et al.			
	*	10/693,059	10/23/03	McSwiggen et al.			
	*	10/720,448	11/24/03	McSwiggen et al.			
	*	10/727,780	12/03/03	Vaish et al.			
	*	10/757,803	01/14/04	McSwiggen et al.			
	*	10/780,447	02/13/04	Vargeese et al.			
	*	10/826,966	04/16/04	McSwiggen et al.			

EXAMINER

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AB	*	60/082,404	04/20/98	Thompson et al.			
	1.	60/292,217	05/18/01	Adamic et al.			
	2.	60/306,883	07/20/01	Vargeese et al.			
	3.	60/311,865	08/13/01	Vargeese et al.			
	*	60/358,580	02/20/02	Beigelman et al.			
	*	60/362,016	03/06/02	Matulic-Adamic et al.			
	*	60/363,124	03/11/02	Beigelman et al.			
	4.	60/386,782	08/05/02	Beigelman et al.			
	5.	60/401,104	08/05/02	McSwiggen et al.			
	*	60/402,996	08/13/02	Usman et al.			
	*	60/406,784	08/29/02	Beigelman et al.			
	*	60/408,378	09/05/02	Beigelman et al.			
	*	60/409,293	09/09/02	Beigelman et al.			
	*	60/440,129	01/15/03	Beigelman et al.			
	*	60/543,480	02/10/04	Jadhavi et al.			
	*	US 2001/0007666	01/05/99	Hoffman et al.			
	*	US 2001/0007666	01/05/99	Hoffman et al.			07/12/01
	*	US 2002/0130430	12/29/00	Caster			09/19/02
↓	*	US 2002/0137210	08/09/01	Churikov			09/26/02

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AB	*	US 2003/0077829	04/30/02	MacLachlan			04/24/03
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U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
AB	*	4,987,071	01/22/91	Cech et al.			
	*	5,108,921	04/28/92	Low et al.			
	*	5,138,045	08/11/92	Vargeese et al.			
	*	5,214,136	05/25/93	Lin et al.			
	*	5,334,711	08/02/94	Sproat			
	*	5,416,016	05/16/95	Low et al.			
	*	5,589,332	12/31/96	Shih et al.			
	*	5,624,803	04/29/97	Noonberg et al.			
	*	5,627,053	05/06/97	Usman et al.			
	*	5,631,359	05/20/97	Chowrira et al.			
	*	5,631,360	05/20/97	Usman et al.			
	*	5,633,133	05/27/97	Long et al.			
	*	5,633,133	05/27/97	Long et al.			
V	*	5,670,633	09/23/97	Cook et al.			

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AB	*	5,672,695	09/30/97	Eckstein et al.			
	*	5,716,824	02/10/98	Beigelman et al.			
	*	5,741,679	04/21/98	George et al.			
	*	5,792,847	08/11/98	Buhr et al.			
	*	5,804,683	09/08/98	Usman et al.			
	*	5,814,620	09/29/98	Robinson et al.			
	*	5,831,071	11/03/98	Usman et al.			
	*	5,834,186	11/10/98	George et al.			
	*	5,849,902	12/15/98	Arrow et al.			
	*	5,854,038	12/29/98	Cech et al.			
	*	5,871,914	02/16/99	Nathan et al.			
	*	5,874,565	02/23/99	Rice et al.			
	*	5,889,136	03/30/99	Scaringe et al.			
	*	5,898,031	04/27/99	Crooke			
	*	5,902,880	05/11/99	Thompson et al.			
	*	5,968,909	10/19/99	Agrawal et al.			
	*	5,989,912	11/23/99	Arrow et al.			
	*	5,998,203	12/07/99	Adamic et al.			
↓	*	6,001,311	12/14/99	Brennan			

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AB	*	6,005,087	12/21/99	Cook et al.			
	*	6,008,400	12/28/99	Scaringe et al.			
	*	6,054,576	04/25/00	Bellon et al.			
	*	6,107,094	08/22/00	Crooke			
	*	6,111,086	08/29/00	Scaringe et al.			
	*	6,117,657	09/12/00	Usman et al.			
	*	6,127,116	10/03/00	Rice et al.			
	*	6,146,886	11/14/00	Thompson			
	*	6,153,737	11/28/00	Manoharan et al.			
	*	6,162,909	12/19/00	Bellon et al.			
	*	6,168,778	01/02/01	Janjic et al.			
	*	6,180,613	01/30/01	Kaplitt et al.			
	*	6,235,310	05/22/01	Wang et al.			
	*	6,235,886	05/22/01	Manoharan et al.			
	*	6,248,878	06/19/01	Adamic et al.			
	*	6,300,074	10/09/01	Gold			
	*	6,303,773	10/16/01	Bellon et al.			
	*	6,335,434	01/01/02	Guzaev et al.			
↓	*	6,350,934	02/26/02	Zwick et al.			

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AB	*	6,353,098	03/05/02	Usman et al.			
	*	6,362,323	03/26/02	Usman et al.			
	*	6,395,492	05/28/02	Manoharan et al.			
	*	6,395,713	05/28/02	Beigelman et al.			
	*	6,437,117	08/20/02	Usman et al.			
	*	6,447,796	09/10/02	Vook et al.			
	*	6,469,158	10/22/02	Usman et al.			
	*	6,476,205	11/05/02	Buhr et al.			
	*	6,506,559	06/14/03	Fire et al.			
	*	6,528,631	03/04/03	Cook et al.			
	*	6,586,524	07/01/03	Sagara			
	*	6,617,156	09/09/03	Doucette-Stam et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
AB	*	2001240375 (Old Application No. 40375/01)	03/16/01	AU (Graham et al.)				

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AB	*	2,359,180	08/03/00	CA (Kreutzer et al.)				
XVII-13	6.	0 360 257	02/28/90	EP (Hampel et al.)				
	*	1144623 B1	01/29/02	EP (Kreutzer et al.)				
	7.	88/09810	12/15/88	WO (Tullis et al.)				
	*	89/02439	03/23/89	WO (Arnold et al.)				
	8.	90/12096	10/18/90	WO (Low et al.)				
	9.	90/14090	11/29/90	WO (Gillespie et al.)				
	*	91/03162	03/21/91	WO (Rossi et al.)				
	*	92/07065	04/30/92	WO (Eckstein et al.)				
	*	93/15187	08/05/93	WO (Usman et al.)				
	*	93/23569	11/25/93	WO (Draper et al.)				
	10.	94/01550	01/20/94	WO (Agrawal et al.)				
	*	94/02595	02/03/94	WO (Sullivan et al.)				
	*	95/06731	03/09/95	WO (Usman et al.)				
	11.	95/11304	04/27/95	WO (Usman et al.)				
	*	95/11910	05/04/95	WO (Dudycz et al.)				
	*	96/10390	04/11/96	WO (Ansell et al.)				
	*	96/10391	04/11/96	WO (Choi et al.)				
V	*	96/10392	04/11/96	WO (Holland et al.)				

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AB	12.	96/18736	06/20/96	WO (Beigelman et al.)				
	13.	96/22689	08/01/96	WO (Pyle et al.)				
	*	97/26270	07/24/97	WO (Beigelman et al.)				
	*	98/13526	04/02/98	WO (Woolf et al.)				
	14.	98/27104	06/25/98	WO (Breaker et al.)				
	15.	98/28317	07/02/98	WO (Matulic-Adamic et al.)				
	16.	98/43993	10/08/98	WO (Breaker et al.)				
	17.	98/58058	12/23/98	WO (Ludwig & Sproat)				
	*	99/04819	02/04/99	WO (Klimuk)				
	*	99/05094	02/04/99	WO (Beigelman et al.)				
	*	99/07409	02/18/99	WO (Deschamps de Paillette et al.)				
	*	99/14226	03/25/99	WO (Wengel et al.)				
	18.	99/16307	04/08/99	WO (Vierling)				
	19.	99/16871	04/08/99	WO (Eckstein et al.)				
	20.	99/17120	04/08/99	WO (Davis and Bishop)				
	21.	99/29842	06/17/99	WO (Sullenger et al.)				
	*	99/31262	06/24/99	WO (Barry et al.)				
	*	99/32619	07/01/99	WO (Fire et al.)				
V	*	99/49029	09/30/99	WO (Graham et al.)				

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AB	*	99/53050	10/21/99	WO (Waterhouse et al.)				
	*	99/54459	10/28/99	WO (Thompson et al.)				
	22.	99/55857	11/04/99	WO (Beigelman et al.)				
	*	99/61631	12/02/99	Heifetz et al.				
	23.	99/66063	12/23/99	WO (Manoharan et al.)				
	*	00/01846	01/13/00	WO (Plaetinck et al.)				
	24.	00/03683	01/27/00	WO (Boey et al.)				
	*	00/17369	03/30/00	WO (Gurney et al.)				
	25.	00/24931	05/04/00	WO (Nathan and Ellington)				
	26.	00/26226	05/11/00	WO (Breaker et al.)				
	*	00/44895	08/03/00	WO (Kreutzer et al.)				
	*	00/44914	08/03/00	WO (Li et al.)				
	27.	00/49035	08/24/00	WO (Sheen)				
	*	00/53722	09/14/00	WO (O'Hare and Normand)				
	*	00/63364	10/26/00	WO (Pachuk et al.)				
	*	00/66604	11/09/00	WO (Wengel et al.)				
	*	01/04313	01/18/01	WO (Satishchandran et al.)				
	*	01/29058	04/26/01	WO (Mello et al.)				
V	*	01/36646	05/25/01	WO (Zernicka-Goetz et al.)				

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AB	*	01/38551	05/31/01	WO (Grossniklaus)				
	*	01/42443	06/14/01	WO (Churikov et al.)				
	*	01/49844	07/12/01	WO (Driscoll et al.)				
	*	01/53475	07/26/01	WO (Cogoni et al.)				
	*	01/68836	09/20/01	WO (Beach et al.)				
	*	01/70944	09/27/01	WO (Honer et al.)				
	*	01/70949	09/27/01	WO (Graham et al.)				
	*	01/72774	10/04/01	WO (Deak et al.)				
	*	01/75164	10/11/01	WO (Tuschi et al.)				
	*	01/92513	12/06/01	WO (Arndt et al.)				
	28.	01/96584	12/20/01	WO (Mushegian et al.)				
	*	02/22636	03/21/02	WO (Bennett et al.)				
	*	02/38805	05/16/02	WO (Echeverri et al.)				
	*	02/44321	06/06/02	WO (Tuschi et al.)				
	*	02/055692	07/18/02	WO (Kreutzer et al.)				
	*	02/055693	07/18/02	WO (Kreutzer et al.)				
	29.	02/081494 (PCT/US02/09187)	03/26/02	WO (Beigelman et al.)				
	30.	02/087541	11/07/02	WO (MacLachlan)				
↓	*	02/094185 (PCT/US02/15876)	01/28/02	WO (Beigelman et al.)				

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AB	31.	03/024420	03/27/03	WO (Ahlheim et al.)				
	32.	03/046185	06/05/03	WO (Wang et al.)				
	33.	03/047518	06/12/03	WO (Wang et al.)				
	*	03/064625	08/07/03	WO (Woolf et al.)				
	*	03/064626	08/07/03	WO (Woolf et al.)				
	34.	03/070750 (PCT/US03/05043)	08/28/03	WO (McSwiggen et al.)				
	*	03/070918 (PCT/US03/05346)	08/28/03	WO (McSwiggen et al.)				
	*	03/074654 (PCT/US03/05028)	09/12/03	WO (McSwiggen et al.)				
	*	04/013280	02/12/04	WO (Davidson et al.)				
	35.	PCT/US04/13456	04/30/04	Vargeese et al.				
↓	36.	PCT/US04/16390	05/24/04	McSwiggen et al.				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

AB	37.	Abramovitz et al., "Catalytic Role of 2'-Hydroxyl Groups Within a Group II Intron Active Site," <u>Science</u> 271:1410-1413 (1996)
AB	*	Adah et al., "Chemistry and Biochemistry of 2',5'-Oligoadenylate-Based Antisense Strategy," <u>Current Medicinal Chemistry</u> , 8, 1189-1212 (2001)
AB	*	Akhtar and Juliano, "Cellular Uptake and Intracellular Fate of AntiSense Oligonucleotides," <u>Trends Cell Biol.</u> 2:139-144 (1992)

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AB	*	Aldrian-Herrada et al., "A peptide nucleic acid (PNA) is more rapidly internalized in cultured neurons when coupled to a <i>retro-inverso</i> delivery peptide. The antisense activity depresses the target mRNA and protein in magnocellular oxytocin neurons," <u>Nucleic Acids Research</u> 26:4910-4916 (1998)
	*	Allshire, "RNAi and Heterochromatin - A Hushed-up Affair," <u>Science</u> 297:1818-1819 (2002)
	38.	Alter, "Chronic Consequences of Non-A, Non-B Hepatitis," <i>Current Perspectives in Hepatology</i> , pp. 83-89 (1989)
	*	Andrews and Faller, "A rapid micropreparation technique for extraction of DNA-binding proteins from limiting numbers of mammalian cells," <u>Nucleic Acids Research</u> 19:2499 (1991)
	39.	Antopolsky et al., "Peptide-Oligonucleotide Phosphorothioate Conjugates with Membrane Translocation and Nuclear Localization Properties," <u>Bioconjugate Chem.</u> 10:598-606 (1999)
	40.	Arap et al., "Cancer Treatment by Targeted Drug Delivery to Tumor Vasculature in a Mouse Model," <u>Science</u> 279:377-380 (1998)
	*	Baenziger and Fiete, "Galactose and N-Acetylgalactosamine-Specific Endocytosis of Glycopeptides by Isolated Rat Hepatocytes," <u>Cell</u> 22:611-620 (1980)
	*	Bahramian et al., "Transcriptional and Posttranscriptional Silencing of Rodent $\alpha 1(I)$ Collagen by a Homologous Transcriptionally Self-Silenced Transgene," <i>Molecular and Cellular Biology</i> , 274-283 (1999)
	41.	Banerjee and Turner, "The Time Dependence of Chemical Modification Reveals Slow Steps in the Folding of a Group I Ribozyme," <u>Biochemistry</u> 34:6504-6512 (1995)
V	*	Bannai et al., "Effect of Injection of Antisense of Oligodeoxynucleotides of GAD Isozymes into Rat Ventromedial Hypothalamus on Food Intake and Locomotor Activity," <u>Brain Research</u> 784:305-315 (1998)

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AB	*	Bannai et al., "Water-absorbent Polymer as a Carrier for a Discrete Deposit of Antisense Oligodeoxynucleotides in the Central Nervous System," Brain Research Protocols 3:83-87 (1998)
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	*	GenBank Accession No. AF100308.1
	137.	GenBank Accession No. AF139594.1
	138.	GenBank Accession No. AF165045.1
	139.	GenBank Accession No. AF165046.1
	140.	GenBank Accession No. AF165047.1
	141.	GenBank Accession No. AF165048.1
	142.	GenBank Accession No. AF165049.1
	143.	GenBank Accession No. AF165050.1
	144.	GenBank Accession No. AF165051.1
	145.	GenBank Accession No. AF165052.1
	146.	GenBank Accession No. AF165053.1
	147.	GenBank Accession No. AF165054.1
	148.	GenBank Accession No. AF165055.1
↓	149.	GenBank Accession No. AF165056.1
	150.	GenBank Accession No. AF165057.1

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AB	151.	GenBank Accession No. AF165058.1
	152.	GenBank Accession No. AF165059.1
	153.	GenBank Accession No. AF165060.1
	154.	GenBank Accession No. AF165061.1
	155.	GenBank Accession No. AF165062.1
	156.	GenBank Accession No. AF165063.1
	157.	GenBank Accession No. AF165064.1
	158.	GenBank Accession No. AF169002.1
	159.	GenBank Accession No. AF169003.1
	160.	GenBank Accession No. AF169004.1
	161.	GenBank Accession No. AF169005.1
	162.	GenBank Accession No. AF176573.1
	163.	GenBank Accession No. AF177036.1
	164.	GenBank Accession No. AF177037.1
	165.	GenBank Accession No. AF177038.1
	166.	GenBank Accession No. AF177039.1
	167.	GenBank Accession No. AF177040.1
	168.	GenBank Accession No. AF207752.1
	169.	GenBank Accession No. AF207753.1
	170.	GenBank Accession No. AF207754.1
	171.	GenBank Accession No. AF207755.1
	172.	GenBank Accession No. AF207756.1
	173.	GenBank Accession No. AF207757.1
	174.	GenBank Accession No. AF207758.1
	175.	GenBank Accession No. AF207759.1
↓	176.	GenBank Accession No. AF207760.1
	177.	GenBank Accession No. AF207761.1

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AB	178.	GenBank Accession No. AF207762.1
	179.	GenBank Accession No. AF207763.1
	180.	GenBank Accession No. AF207764.1
	181.	GenBank Accession No. AF207765.1
	182.	GenBank Accession No. AF207766.1
	183.	GenBank Accession No. AF207767.1
	184.	GenBank Accession No. AF207768.1
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	187.	GenBank Accession No. AF207771.1
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	190.	GenBank Accession No. AF207774.1
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	192.	GenBank Accession No. AF238481.1
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	196.	GenBank Accession No. AF238485.1
	197.	GenBank Accession No. AF238486.1
	198.	GenBank Accession No. AF256223
	199.	GenBank Accession No. AF271632.1
	200.	GenBank Accession No. AF290978.1
	201.	GenBank Accession No. AF313916.1
	202.	GenBank Accession No. AF333324.1
	203.	GenBank Accession No. AF356827.1
✓	204.	GenBank Accession No. AF483269.1

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AB	205.	GenBank Accession No. AF511948.1
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	208.	GenBank Accession No. AJ000009.1
	209.	GenBank Accession No. AJ132996.1
	210.	GenBank Accession No. AJ132997.1
	211.	GenBank Accession No. AJ238799.1
	212.	GenBank Accession No. AJ238800.1
	213.	GenBank Accession No. AJ242651.1
	214.	GenBank Accession No. AJ242653.1
	215.	GenBank Accession No. AJ278830.1
	*	GenBank Accession No. AJ430458
	216.	GenBank Accession No. AX036253.1
	217.	GenBank Accession No. AX036256.1
	218.	GenBank Accession No. AX057086.1
	219.	GenBank Accession No. AX057088.1
	220.	GenBank Accession No. AX057090.1
	221.	GenBank Accession No. AX057092.1
	222.	GenBank Accession No. AX057094.1
	223.	GenBank Accession No. AX057317.1
	224.	GenBank Accession No. AX057395.1
	225.	GenBank Accession No. AX100563.1
	226.	GenBank Accession No. AY045702.1
	227.	GenBank Accession No. AY051292.1
	*	GenBank Accession No. D00239
	228.	GenBank Accession No. D00944.1
	229.	GenBank Accession No. D10749.1

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AB	230.	GenBank Accession No. D10750.1
	231.	GenBank Accession No. D10934.1
	232.	GenBank Accession No. D10988.1
	*	GenBank Accession No. D11168
	233.	GenBank Accession No. D11355.1
	234.	GenBank Accession No. D13558.1
	235.	GenBank Accession No. D14484.1
	236.	GenBank Accession No. D14853.1
	237.	GenBank Accession No. D17763.1
	238.	GenBank Accession No. D28917.1
	239.	GenBank Accession No. D30613.1
	240.	GenBank Accession No. D45172.1
	241.	GenBank Accession No. D49374.1
	242.	GenBank Accession No. D50409.1
	243.	GenBank Accession No. D50480.1
	244.	GenBank Accession No. D50481.1
	245.	GenBank Accession No. D50482.1
	*	GenBank Accession No. D50483.1
	246.	GenBank Accession No. D50484.1
	247.	GenBank Accession No. D50485.1
	248.	GenBank Accession No. D63821.1
	249.	GenBank Accession No. D63822.1
	250.	GenBank Accession No. D63857.1
	251.	GenBank Accession No. D84262.1
	252.	GenBank Accession No. D84264.1
↓	253.	GenBank Accession No. D84265.1
	254.	GenBank Accession No. D85516.1

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AB	255.	GenBank Accession No. D89815.1
	256.	GenBank Accession No. D89872.1
	257.	GenBank Accession No. D90208.1
	258.	GenBank Accession No. E03766.1
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	260.	GenBank Accession No. E05027.1
	261.	GenBank Accession No. E06261.1
	262.	GenBank Accession No. E06457.1
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	264.	GenBank Accession No. E08263.1
	265.	GenBank Accession No. E08264.1
	266.	GenBank Accession No. E08399.1
	267.	GenBank Accession No. E08443.1
	268.	GenBank Accession No. E08461.1
	269.	GenBank Accession No. E10839.1
	270.	GenBank Accession No. E66593.1
	*	GenBank Accession No. K02121
	271.	GenBank Accession No. L02836.1
	*	GenBank Accession No. L24917
	*	GenBank Accession No. L38318
	*	GenBank Accession No. M16248
	*	GenBank Accession No. M31724
	272.	GenBank Accession No. M58335.1
	273.	GenBank Accession No. M62321.1
	274.	GenBank Accession No. M67463.1
↓	275.	GenBank Accession No. M84754.1
	276.	GenBank Accession No. M96362.1

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AB	*	GenBank Accession No. NC_001345
	*	GenBank Accession No. NC_001347
	*	GenBank Accession No. NC_001353
	277.	GenBank Accession No. NC_001433.1
	*	GenBank Accession No. NC_001563
	*	GenBank Accession No. NC_001781
	278.	Genbank Accession No. NC_004718
	279.	GenBank Accession No. NM_000043
	280.	GenBank Accession No. NM_000639
	*	GenBank Accession No. NM_001285
	*	GenBank Accession No. NM_001982
	*	GenBank Accession No. NM_002592.1
	*	GenBank Accession No. NM_002667
	*	GenBank Accession No. NM_002737
	281.	GenBank Accession No. NM_003142
	*	GenBank Accession No. NM_003219
	*	Genbank Accession No. NM_003376.1
	*	GenBank Accession No. NM_004283
	*	GenBank Accession No. NM_004448
	*	GenBank Accession No. NM_005228
	*	GenBank Accession No. NM_005235
	282.	GenBank Accession No. NM_006874.1
	283.	GenBank Accession No. NM_031991.1
	284.	GenBank Accession No. S62220.1
	*	GenBank Accession No. S82227
↓	285.	GenBank Accession No. U01214.1

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AB	286.	GenBank Accession No. U16362.1
	287.	GenBank Accession No. U45476.1
	*	GenBank Accession No. U51188
	*	GenBank Accession No. U86046
	288.	GenBank Accession No. U89019.1
	*	GenBank Accession No. X01087
	*	GenBank Accession No. X02316
	*	GenBank Accession No. X07203
	*	GenBank Accession No. X60667
	289.	GenBank Accession No. X61596.1
	290.	GenBank Accession No. X76918.1
	291.	GenBank Accession No. XM 002661.7
	*	GenBank Accession No. XM 015620
	292.	GenBank Accession No. XM 018021.2
	*	GenBank Accession No. XM 033884
	293.	GenBank Accession No. XM 042972.3
	*	GenBank Accession No. XM 067723
	294.	GenBank Accession No. Y11604.1
	295.	GenBank Accession No. Y12083.1
	296.	GenBank Accession No. Y13184.1
	*	Ghirnikar et al., "Chemokine inhibition in rat stab wound brain injury using antisense oligodeoxynucleotides," <i>Neuroscience Letters</i> 247:21-24 (1998)
	*	Godbey et al., "Poly(ethylenimine) and its role in gene delivery," <i>Journal of Controlled Release</i> , 60, 149-160 (1999)
↓	*	Godbey et al., "Tracking the intracellular path of poly(ethylenimine)/DNA complexes for gene delivery," <i>Proc. Natl. Acad. Sci. USA</i> , 96, 5177-5181 (1999)

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AB	297.	Godwin et al., "The Synthesis of Biologically Active Pteroyl oligo- γ -L-Glutamates (Folic Acid Conjugates)," <u>The Journal of Biological Chemistry</u> 247:2266-2271 (1972)
	*	Gold et al., "Diversity of Oligonucleotide Functions," <u>Annu. Rev. Biochem.</u> 64:763-797 (1995)
	*	Gold, "Axonal Regeneration of Sensory Nerves is Delayed by Continuous Intrathecal Infusion of Nerve Growth Factor," <u>Neuroscience</u> 76:1153-1158 (1997)
	*	Gonzalez et al., "New Class of Polymers for the Delivery of Macromolecular Therapeutics," <u>Bioconjugate Chem.</u> , 10, 1068-1074 (1999)
	298.	Good et al., "Expression of small, therapeutic RNAs in human nuclei," <u>Gene Therapy</u> 4:45-54 (1997)
	*	Grant et al., "Insulin-like growth factor I acts as an angiogenic agent in rabbit cornea and retina: comparative studies with basic fibroblast growth factor," <u>Diabetologia</u> 36:282-291 (1993)
	299.	Grasby et al., "Purine Functional Groups in Essential Residues of the Hairpin Ribozyme Required for Catalytic Cleavage of RNA," <u>Biochemistry</u> 34:4068-4076 (1995)
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	301.	Guerrier-Takada et al., "The RNA Moiety of Ribonuclease P Is the Catalytic Subunit of the Enzyme," <u>Cell</u> 35:849-857 (1983)
	302.	Guo and Collins, "Efficient <i>trans</i> -cleavage of a stem-loop RNA substrate by a ribozyme derived from <i>Neurospora</i> VS RNA," <u>EMBO J.</u> 14:368-376 (1995)
	303.	Habus et al., "A Mild and Efficient Solid-Support Synthesis of Novel Oligonucleotide Conjugates," <u>Bioconjugate Chem.</u> 9:283-291 (1998)
↓	*	Hall et al., "Establishment and Maintenance of a Heterochromatin Domain," <u>Science</u> 297:2232-2237 (2002)

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AB	*	Hamilton, et al., "A Species of Small Antisense RNA in Posttranscriptional Gene Silencing in Plants," <i>Science</i> , 286, 950-952 (1999))
	304.	Hammann et al., "Length Variation of Helix III in a Hammerhead Ribozyme and Its Influence on Cleavage Activity," <i>Antisense & Nucleic Acid Drug Development</i> 9:25-31 (1999)
	*	Hammond et al., "An RNA-Directed Nuclease Mediates Post-Transcriptional Gene Silencing in <i>Drosophila</i> Cells," <i>Nature</i> 404:293-296 (2000)
	305.	Hampel and Tritz, "RNA Catalytic Properties of the Minimum (-)sTRSV Sequence," <i>Biochemistry</i> 28:4929-4933 (1989)
	306.	Hampel et al., "'Hairpin' Catalytic RNA Model: Evidence for Helices and Sequence Requirement for Substrate RNA," <i>Nucleic Acids Research</i> 18:299-304 (1990)
	*	Haniu et al., "Characterization of Alzheimer's β -Secretase Protein BACE," <i>The Journal of Biological Chemistry</i> , 275, 21099-21106 (2000)
	307.	Harada et al., "Characterization of an established human hepatoma cell line constitutively expressing non-structural proteins of hepatitis C virus by transfection of viral cDNA," <i>Journal of General Virology</i> 76:1215-1221 (1995)
	*	Harborth et al., "Sequence, Chemical, and Structural Variation of Small Interfering RNAs and Short Hairpin RNAs and the Effect on Mammalian Gene Silencing," <i>Antisense and Nucleic Acid Drug Development</i> , 13:83-105 (2003)
	308.	Harris et al., "Identification of phosphates involved in catalysis by the ribozyme RNase P RNA," <i>RNA</i> 1:210-218 (1995)
	*	Hartmann et al., "Spontaneous and Cationic Lipid-Mediated Uptake of Antisense Oligonucleotides in Human Monocytes and Lymphocytes," <i>The Journal of Pharmacology and Experimental Therapeutics</i> 285:920-928 (1998)
✓	309.	Haseloff and Gerlach, "Sequences required for self-catalysed cleavage of the satellite RNA of tobacco ringspot virus," <i>Gene</i> 82:43-52 (1989)

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AB	310.	Hayashi et al., "In Vivo Transfection of Rat Liver with Hepatitis C Virus cDNA Using Cationic Liposome-Mediated Gene Delivery," <i>HCD Gene Delivery</i> pp143-149 (1995)
	311.	Hegg et al., "Kinetics and Thermodynamics of Intermolecular Catalysis by Hairpin Ribozymes," <i>Biochemistry</i> 34:15813-15828 (1995)
	*	Hermann and Patel, "Adaptive Recognition by Nucleic Acid Aptamers," <i>Science</i> 287:820-825 (2000)
	312.	Herrmann et al., "Comparative analysis of adenoviral transgene delivery via tail or portal vein into rat liver," <i>Arch Virol</i> 149:1611-1617 (2004)
	313.	Herschlag and Cech, "Catalysis of RNA Cleavage by the <i>Tetrahymena thermophila</i> Ribozyme 1. Kinetic Description of the Reaction of an RNA Substrate Complementary to the Active Site," <i>Biochemistry</i> 29:10159-10171 (1990)
	314.	Herschlag and Cech, "Catalysis of RNA Cleavage by the <i>Tetrahymena thermophila</i> Ribozyme. 2. Kinetic Description of the Reaction of an RNA Substrate That Forms a Mismatch at the Active Site," <i>Biochemistry</i> 29:10172-10180 (1990)
	315.	Hertel et al., "A Kinetic Thermodynamic Framework for the Hammerhead Ribozyme Reaction," <i>Biochemistry</i> 33:3374-3385 (1994)
	316.	Hertel et al., "Numbering System for the Hammerhead," <i>Nucleic Acids Research</i> 20:3252 (1992)
	317.	Hiramatsu et al., "HCV cDNA transfection to HepG2 cells," <i>Journal of Viral Hepatitis</i> 4:61-67 (1997) [sometimes referred to as Haramatsu]
	*	Hofland and Huang, "Formulation and Delivery of Nucleic Acids," <i>Handbook of Exp. Pharmacol.</i> 137:165-192 (1999)
	318.	Hong et al., <i>J. Pharm. Pharmacol.</i> , 54, 51-58 (2003)
	319.	Hoofnagle et al., "The treatment of chronic viral hepatitis," <i>The New England Journal of Medicine</i> 336(5):347-356 (1997)
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AB	321.	Houghton et al., "Molecular Biology of the Hepatitis C Viruses: Implications for Diagnosis, Development and Control of Viral Disease," <u>Hepatology</u> 14(2):381-388 (1991)
	322.	Hudson et al., "Cellular Delivery of Hammerhead Ribozymes Conjugated to a Transferrin Receptor Antibody," <u>Int'l Jour. of Pharmaceutics</u> 182:49-58 (1999)
	*	Hunziker et al., "Nucleic Acid Analogues: Synthesis and Properties, in Modern Synthetic Methods," <u>VCH</u> , 331-417
	*	Hussain et al., "Identification of a Novel Aspartic Protease (Asp 2) as β -Secretase," <u>Molecular and Cellular Neuroscience</u> , 14, 419-427 (1999)
	*	Hutvagner and Zamore, "A MicroRNA in a Multiple-Turnover RNAi Enzyme Complex," <u>Science</u> 297:2056-2060 (2002)
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	*	International Search Report for PCT/US03/04710 mailed November 18, 2003
	*	International Search Report for PCT/US03/05028 mailed October 17, 2003
	*	International Search Report for PCT/US03/05346 mailed October 17, 2003
	*	International Search Report mailed November 19, 2003 for PCT/US03/18911
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↓	*	Ishizaka et al., "Isolation of Active Ribozymes from an RNA Pool of Random Sequences Using an Anchored Substrate RNA," <u>Biochemical and Biophysical Research Communication</u> 214(2):403-409 (1995)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant: McSwiggen et al.	
		Filing Date: September 16, 2003	Group: 1632

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AB	454.	Woolf et al., "Specificity of Antisense Oligonucleotides <i>in vivo</i> ," <u>Proc. Natl. Acad. Sci. USA</u> 89:7305-7309 (1992)
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**SUPPLEMENTARY INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Applicant:

McSwiggen et al.

Filing Date:

September 16, 2003

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U.S. PATENT APPLICATION DOCUMENTS

Examiner Initial		Document Number	Filing Date	Name	Class	Subclass	Publication Date if Appropriate
AB	*	US 2003/0190635	07/25/02	McSwiggen et al.			10/09/03
AB	*	US 2003/0206887	09/16/02	Morrissey et al.			11/06/03

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		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
AB	1.	1325955	07/09/03	EP (Klippel-Giese et al.)				
	2.	08208687	08/13/96	JP (Hotoda et al.)				
	3.	95/04142	02/09/95	WO (Robinson)				
	4.	99/29350	06.17.99	WO (Anderson et al.)				
	5.	00/21560	04/20/00	WO (Alitalo et al.)				
	6.	01/97850	12/27/01	WO (Siemeister et al.)				
	7.	02/07747	01/31/02	WO (King)				
	8.	02/10378	02/07/02	WO (Cowser et al.)				
	9.	02/096927	12/05/02	WO (Escobedo et al.)				

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AB	10.	03/016572	02/27/03	WO (Zhao et al.)				
	11.	03/068797	08/21/03	WO (Rossi et al.)				
	12.	03/070750	08/24/03	WO (McSwiggen et al.)				
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	16.	03/080638	10/02/03	WO (Lacasse et al.)				
	17.	04/043977	05/27/04	WO (Prakush et al.)				
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